● PRINTER RUSH ●
(PTO ASSISTANCE)

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☐ 1449	_____	☒ Continuing Data
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[RUSH] MESSAGE: The Continuing older paragraph is absent from the spec. Please Resolve! Thank You CA

[XRUSH] RESPONSE: Data supplied, see copies

INITIALS: ____

NOTE: This form will be included as part of the official USPTO record, with the Response document coded as XRUSH. Doc. 9318-020-999

REV 10/04

METHOD AND SYSTEM FOR MULTI-THREADED OBJECT LOADING AND UNLOADING

FIELD OF THE INVENTION

The present invention relates to distributed object systems and more specifically loading and unloading of objects using multi-thread.

BACKGROUND OF THE INVENTION

With the rise of the interconnected computer networks such as the Internet, it is possible to construct complex transaction-based applications that are distributed over several networked computers. In the simplest scenario, in general, these transaction-based applications function in the following way. A software application program, which

10   executes on a client, initiates a transaction that requires access to services provided by a distant computer, called a server. Examples of these services could be an update to a database such as a bank's database, an execution of a purchase order such as in the case of purchase of a security and the like. Typically, the client sends a "request" message to the server, which then sends a "response" message containing a response to the request.

15   Typically, the server is not a single computer, rather a collection of interconnected heterogenous computers. The request message must then be formatted in such a way that all the interconnected computers can understand and respond to the request message. If the collection of interconnected computers is configured in an object-oriented programming model, then software object (or objects) that are capable of working together

20   to provide a response to the request message can be distributed among the several computers. But in order to access the objects from a remote computer the objects must somehow publish their existence, their addresses, their properties, the services they provide, and other details to the "outside" world. Then, a client may be able to use the services provided by sending a request message in a manner similar to making a remote procedure

25   call ("rpc") and obtaining a response to that message.

Various paradigms exist as a result of the need to standardize the methods by which objects can be distributed and accessed over a network. These are Microsoft Corporation's Distributed Component Object Model (DCOM), JavaSoft's Java/Remote

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APPLICANTS

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CONTINUING DATA ......Yes....MB....

THIS APPLICATION IS A 371 OF PCT/US00/02015 01/28/2000
AND CLAIMS BENEFIT OF 60/117,945 01/29/1999
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(°) Data inconsistent with PTO records.

FOREIGN APPLICATIONS ...No.......MB..

Foreign Priority claimed ☐ yes ☑ no		STATE OR COUNTRY MA	SHEETS DRAWING 7	TOTAL CLAIMS 16	INDEPENDENT CLAIMS 3
35 USC 119 (a-d) conditions met ☐ yes ☑ no ☐ Met after Allowance					
Verified and Acknowledged Examiner's Signature Initials					

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TITLE

Method and system for multi-threaded object loading and unloading

FILING FEE RECEIVED 820	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	☐ All Fees
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